

What is claimed is:

1. A fixing device for fixing an autofocus module to a mirror box of an SLR camera having a quick-return mirror accommodated in said mirror box, 5 wherein said quick-return mirror has a half mirror portion so that a light bundle of an object which is passed through said half mirror portion is reflected by a sub-mirror to be incident on said autofocus module, wherein said fixing device comprises an adjustment 10 bracket which is provided separately from said mirror box, wherein said adjustment bracket is fixed to an underside of said mirror box, and wherein said autofocus module is fixed to said 15 adjustment bracket.

2. The fixing device according to claim 1, wherein said adjustment bracket comprises a plurality of guide bosses having a plurality of female screw holes, respectively, 20 wherein axes of said plurality of female screw holes are parallel to a traveling direction of said light bundle which is reflected by said sub-mirror after passing through said half mirror portion in a state where said adjustment bracket is fixed to said underside of 25 said mirror box,

wherein said autofocus module includes a plurality of screw support portions for supporting a plurality of adjusting/fixing screws which are screwed into said plurality of female screw holes, respectively, an AF module optical system of said autofocus module being supported by a casing of said AF module so that an incident optical axis of said AF module optical system extends parallel to axes of said plurality of adjusting/fixing screws, and

wherein a plurality of compression springs are positioned between said plurality of screw support portions and said plurality of said guide bosses, respectively.

3. The fixing device according to claim 1, wherein a traveling direction of said light bundle which is reflected by said sub-mirror after passing through said half mirror portion is non-orthogonal to a photographing optical axis of a photographing lens.

4. The fixing device according to claim 2, wherein said plurality of guide bosses project downwards in a direction oblique and forward of a direction orthogonal to said underside of said mirror box.

5. The fixing device according to claim 1, wherein said AF module optical system comprises a condenser lens, an optical axis of which is defined as

said incident optical axis of said AF module optical system.

6. The fixing device according to claim 1, wherein an opening is formed on a bottom wall of said mirror box, and  
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wherein said adjustment bracket is fixed to an underside of said bottom wall around said opening.

7. The fixing device according to claim 2, wherein said plurality of compression springs comprise a plurality of compression coil springs which are loosely  
10 fitted on said plurality of adjusting/fixing screws, respectively.

8. The fixing device according to claim 5, wherein said AF module optical system further comprises a reflecting mirror and a second condenser lens,  
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wherein said light bundle, which is reflected by said sub-mirror after passing through said half mirror portion, firstly passes through said condenser lens, and is subsequently reflected by said reflecting mirror to  
20 be incident on said second condenser lens, and

wherein said incident optical axis is angled at an angle less than 90 degrees with respect to an optical axis of said second condenser lens.